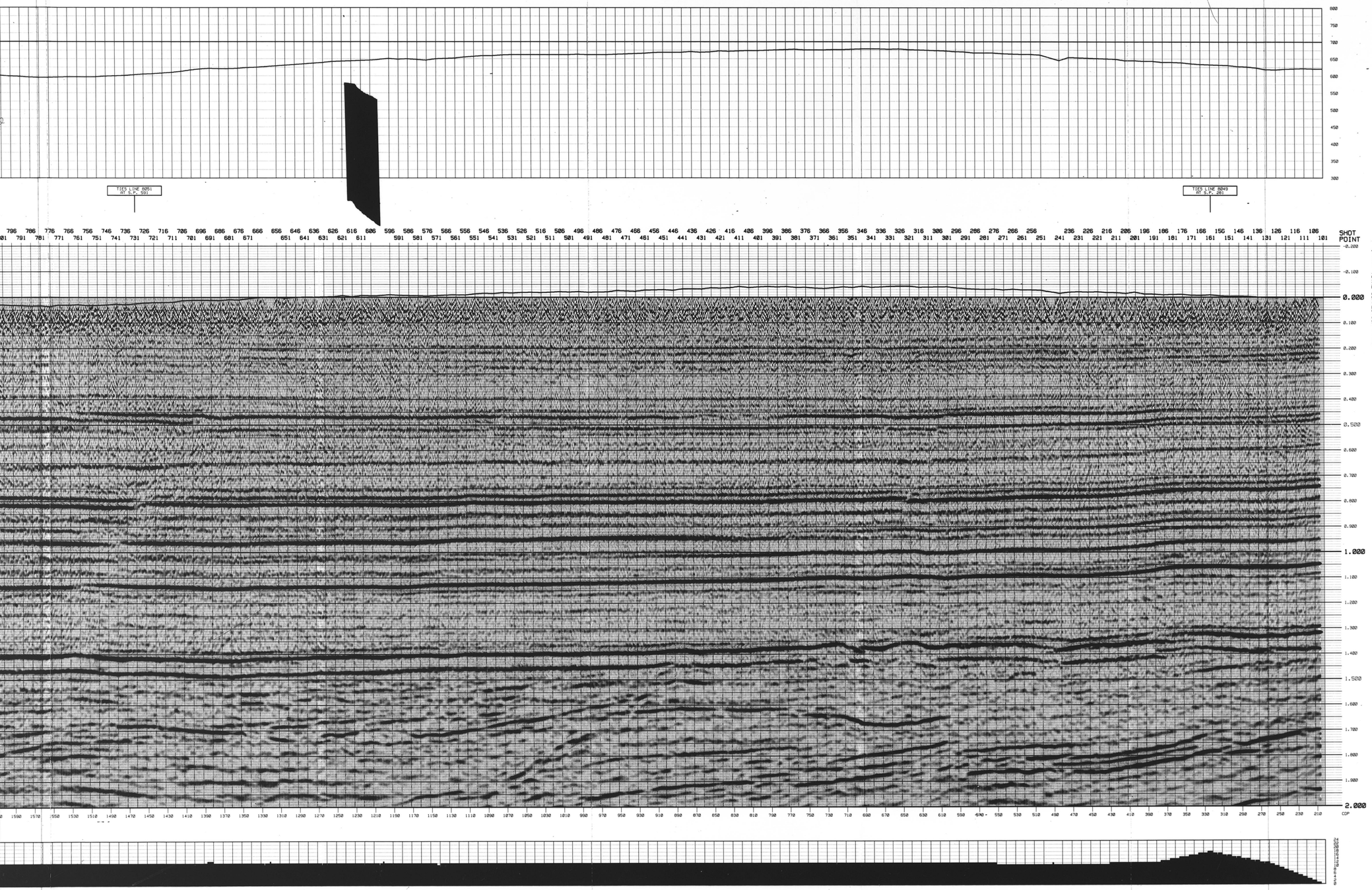
9-29-P28-8E



EAST

Pulsonic GEOPHYSICAL LTD.
CALGARY ALBERTA CANADA

PROCESSING DATE - MAY, 1985

PROCESSED FOR:
PETRO-CANADA
CALGARY, ALBERTA

AREA: ISLAND RIVER

LINE: 8050B

LOC: 95A

S.P.: 101 - 2061

MIGRATED SECTION

NORMAL POLARITY

ACQUISITION PARAMETERS

SOURCE TYPE: DYNAMITE
SOURCE INTERVAL: 100 M
SOURCE PATTERN: 4 SINGLE HOLE
CHARGE SIZE: 4 x 2 KG.
SPREAD: DIST: 1500 M --- 50 M --- 25 M --- X --- 25 M --- 50 M --- 1500 M

SHOOTING DIRECTION: E -> W
GROUP INTERVAL: 50 M
GEOPHONE PATTERN: 12 OVER 25 M
CHARGE DEPTH: 18 M

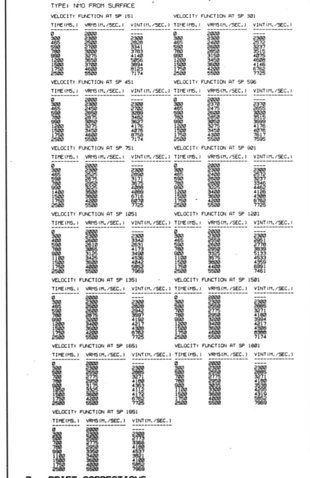
RECORDING PARAMETERS

RECORDED BY: ENERTEC GEOPHYSICAL PTY LTD
RECORDING SYSTEM: DFS V
RECORD LENGTH: 4 SECONDS
RECORDING FILTER: 12-128 HZ. NOTCH OUT

DATE: JANUARY, 1985
FORMAT: SEGD
SAMPLE RATE: 2 MS.
GEOPHONE TYPE: MARK L25 14 HZ

PROCESSING HISTORY

1. **DEMULTIPLEX/DISPLAY/EDIT**
   OUTPUT SAMPLE RATE: 2 MS.
   OUTPUT RECORD LENGTH: 3 SEC.
2. **AMPLITUDE RECOVERY**
   TYPE: SPHERICAL DIVERGENCE
3. **DECONVOLUTION**
   TYPE: SPIKING
   DOMAIN: TIME
   DESIGN WINDOW 1: (NEAR OFFSET): 300 - 1300 MS.
   DESIGN WINDOW 2: (NEAR OFFSET): 1100 - 2500 MS.
   DESIGN WINDOW 3: (FAR OFFSET): 1100 - 1700 MS.
   APPLICATION WINDOW 1: 0 - 1100 MS.
   APPLICATION WINDOW 2: 1100 - 3000 MS.
   OPERATOR LENGTH: 80 MS.
   PREWHITENING: .1 %
4. **CDP TRACE GATHER**
5. **VELOCITY ANALYSIS**
   TYPE: COHERENCY SPECTRA AND COMMON OFFSET STACKS
6. **NORMAL MOVEOUT APPLICATION**
   TYPE: N/O FROM SURFACE



7. **DRIFT CORRECTIONS**
   DATUM: 700 M. ASL
   REPLACEMENT VELOCITY: 3000 M/SEC.
8. **AUTOMATIC SURFACE CONSISTENT STATICS**
   WINDOW: 400 - 1700 MS.
9. **AUTOMATIC TRIM STATICS**
   WINDOW: 400 - 1700 MS.
10. **FILTER APPLICATION**
    TYPE: ZERO PHASE BANDPASS
    PASSBAND: 10/15 - 60/70
    DOMAIN: FREQUENCY
    TIME: 0 - 3000 MS.
11. **TRACE MUTING**

OFFSET(M)	200	2025	1500
TIME(MS.)	0	450	1800

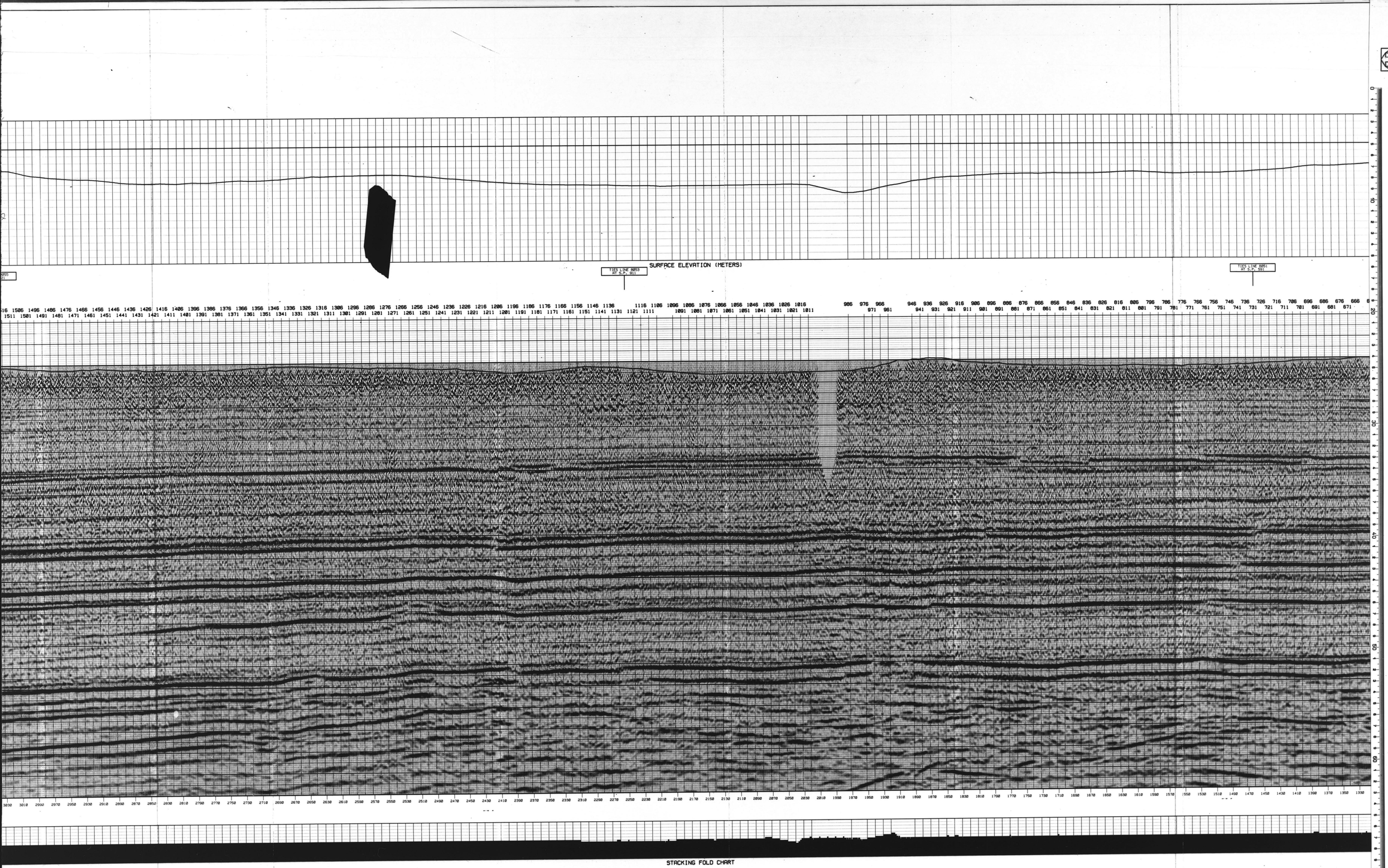
12. **CDP STACKING**
    STACKING FOLD: 1200%
13. **MIGRATION**
    DOMAIN: TIME
    TYPE: FINITE DIFFERENCE
    VELOCITIES: 90% OF STACKING
14. **SCALING**
    TYPE: RESIDUAL DECAY ADJUSTMENT
15. **DISPLAY TO FILM**
    VERTICAL PLOTTING SCALE: 7.5 INCHES/SEC.
    HORIZONTAL PLOTTING SCALE: 36 TRACES/INCH

terra
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P7
Tel (613) 731-9571
Telex 053-3502 CABLE: TERRA

PROJ. NO. 9 2 2 9 - P 2 8 - 8 E

LINE NO. 8 0 5 0 B

PART NO. 1 OF 3 R.R. 8X



2000 Walkley Rd. Ottawa, Ont.
Canada K1G 3P4
Tel (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9 2 2 9 - P 2 8 - 8 E

LINE NO. 8 0 5 0 B

PART NO. 2 OF 3

R.R. 8X

terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
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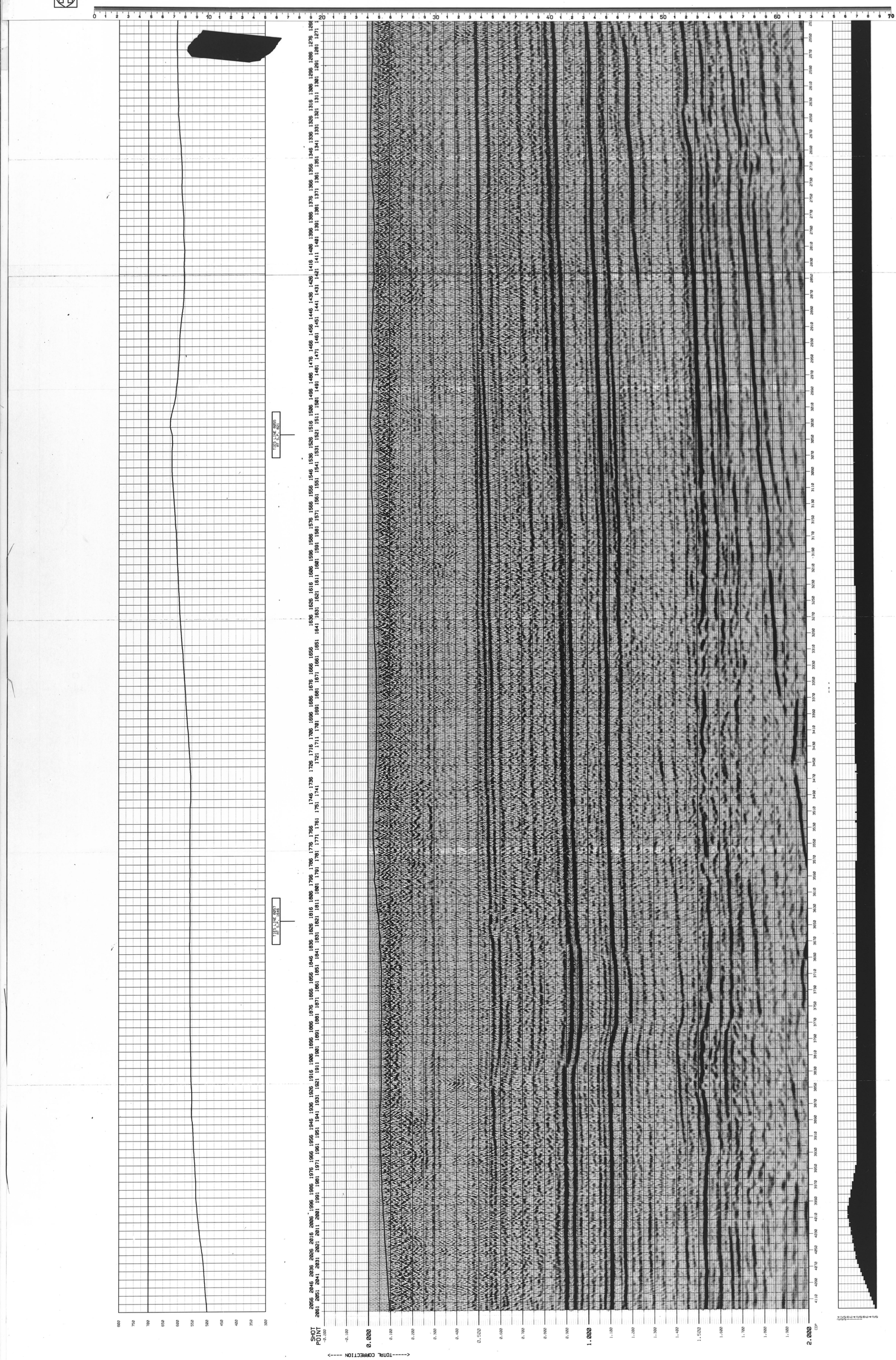
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